



IMAGE RECORDING

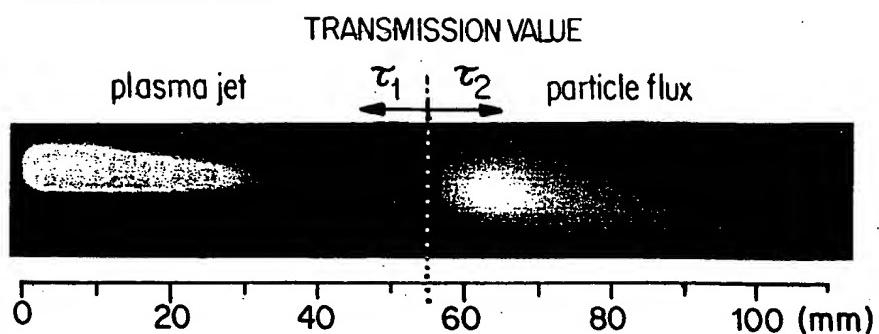


FIG. 1a

CONTOUR DETECTION



FIG. 1b

ELLIPSE FITTING

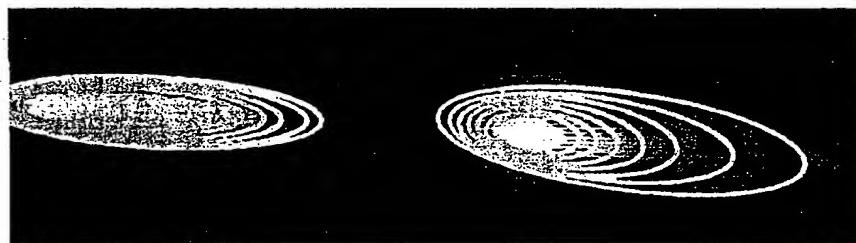


FIG. 1c



ELLIPSE CHARACTERIZATION

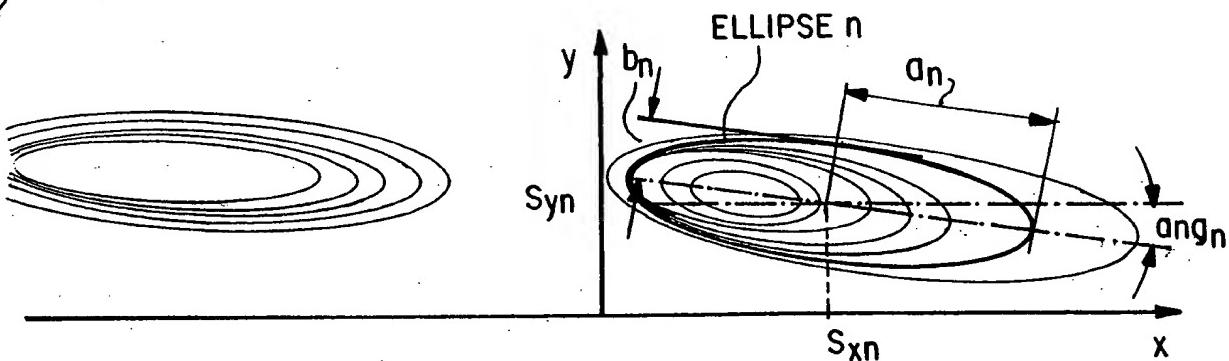


FIG. 1d

RESULT: DATA BANK

sx1:0.05635	sy1:0.00332	ang1:0.00251	a1:0.90845	b1:5.44042
sx2:0.06343	sy2:0.00631	ang2:0.00089	a2:5.63184	b2:6.53315
sx3:0.65433	sy3:0.00123	ang3:0.00068	a3:9.81134	b3:5.54042
...

FIG. 1e

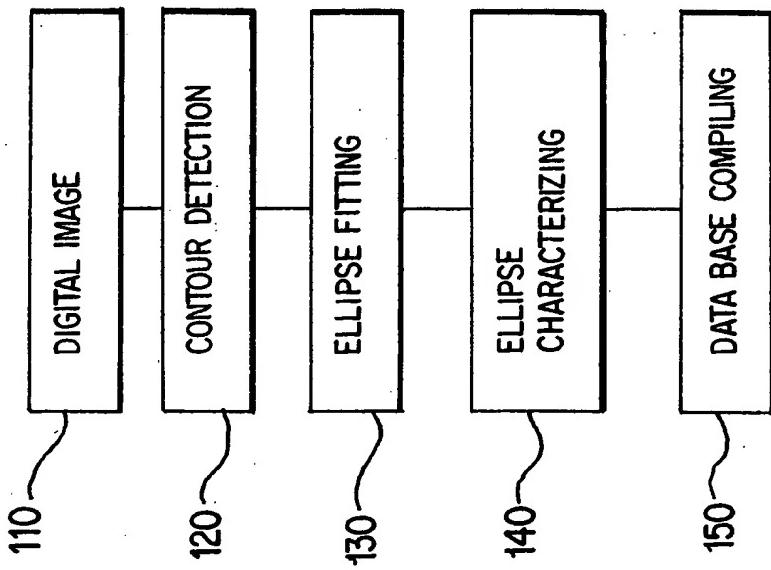


FIG. 3

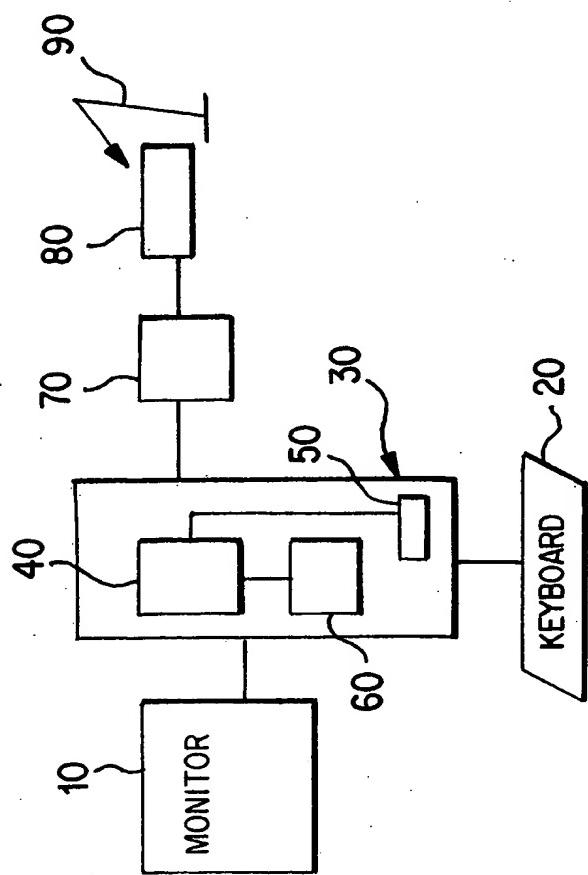


FIG. 2